

## BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP

0941-0213P

PLEASE NOTE:  
YOU MUST  
COMPLETE THE  
FOLLOWING

P.O. Box 747 • Falls Church, Virginia 22040-0747  
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

## COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:

METAL BUMP WITH AN INSULATING SIDEWALL AND METHOD OF FABRICATING THEREOF

Fill in Appropriate Information -  
For Use Without Specification Attached:

the specification of which is attached hereto. If not attached hereto,  
the specification was filed on \_\_\_\_\_ as  
United States Application Number \_\_\_\_\_;  
and amended on \_\_\_\_\_ (if applicable) and/or  
the specification was filed on \_\_\_\_\_ as PCT  
International Application Number \_\_\_\_\_, and was  
amended under PCT Article 19 on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u>89117464</u> (Number)	<u>Taiwan, R.O.C.</u> (Country)	<u>08/29/2000</u> (Month/Day/Year Filed)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.

Insert Provisional Application(s):  
(if any)

_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:

Country	Application Number	Date of Filing (Month/Day/Year)
_____	_____	_____
_____	_____	_____

Insert Requested Information:  
(if appropriate)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Insert Prior U.S.  
Application(s):  
(if any)

_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)
_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

Raymond C. Stewart	(Reg. No. 21,066)	Terrell C. Birch	(Reg. No. 19,382)
Joseph A. Kolasch	(Reg. No. 22,463)	James M. Slattery	(Reg. No. 28,380)
Bernard L. Sweeney	(Reg. No. 24,448)	Michael K. Mutter	(Reg. No. 29,680)
Charles Gorenstein	(Reg. No. 29,271)	Gerald M. Murphy, Jr.	(Reg. No. 28,977)
Leonard R. Svensson	(Reg. No. 30,330)	Terry L. Clark	(Reg. No. 32,644)
Andrew D. Meikle	(Reg. No. 32,868)	Marc S. Weiner	(Reg. No. 32,181)
Joe McKinney Muncy	(Reg. No. 32,334)	Donald J. Daley	(Reg. No. 34,313)
John W. Bailey	(Reg. No. 32,881)	John A. Castellano	(Reg. No. 35,094)
Gary D. Yacura	(Reg. No. 35,416)		

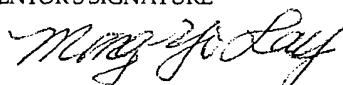
Send Correspondence to:

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**      or      Customer No. 2292  
P.O. Box 747 • Falls Church, Virginia 22040-0747  
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

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↓

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First  
or Sole Inventor:  
Insert Name of  
Inventor  
Insert Date This  
Document is Signed

GIVEN NAME/FAMILY NAME Ming-Yi LAY (family name: LAY)	INVENTOR'S SIGNATURE 	DATE* 9/22/2000
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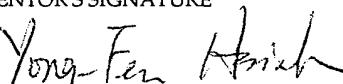
Insert Residence  
Insert Citizenship

Residence (City, State & Country) Hsinchu, Taiwan, R.O.C.	CITIZENSHIP Taiwan, R.O.C.
--	-------------------------------

Insert Post Office  
Address

POST OFFICE ADDRESS (Complete Street Address including City, State & Country)  
10F, No. 301, Sec. 2, Kung-Fu Rd, Lin 10, Lu-Shui Li, E. District, Hsinchu, Taiwan, R.O.C.

Full Name of Second  
Inventor, if any:  
see above

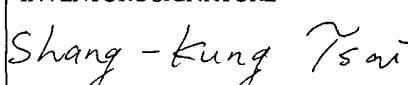
GIVEN NAME/FAMILY NAME Yong-Fen HSIEH (family name: HSIEH)	INVENTOR'S SIGNATURE 	DATE* 9/30/2000
--	--	--------------------

Full Name of Third  
Inventor, if any:  
see above

Residence (City, State & Country) Hsinchu Hsien, Taiwan, R.O.C.	CITIZENSHIP Taiwan, R.O.C.
--	-------------------------------

POST OFFICE ADDRESS (Complete Street Address including City, State & Country)  
No. 7-1, Lane 110, Shuang-Yuan Rd., Shuang-His Tsun, Pao-Shan Hsiang, Hsinchu Hsien,  
Taiwan, R.O.C.

Full Name of Fourth  
Inventor, if any:  
see above

GIVEN NAME/FAMILY NAME Shang-Kung TSAI (family name: TSAI)	INVENTOR'S SIGNATURE 	DATE* 9/25/2000
--	--	--------------------

Residence (City, State & Country) Kaohsiung, Taiwan, R.O.C.	CITIZENSHIP Taiwan, R.O.C.
--	-------------------------------

POST OFFICE ADDRESS (Complete Street Address including City, State & Country)  
No. 32, Lane 110, Sheng-Yun St., Lin 11, Yu-Ping Li, Nan-Tzu District, Kaohsiung, Taiwan,  
R.O.C.

GIVEN NAME/FAMILY NAME Chin-Kun LO (family name: LO)	INVENTOR'S SIGNATURE 	DATE* 9/25/2000
--	--	--------------------

Residence (City, State & Country) Hsinchu Hsien, Taiwan, R.O.C.	CITIZENSHIP Taiwan, R.O.C.
--	-------------------------------

POST OFFICE ADDRESS (Complete Street Address including City, State & Country)  
6F, No. 55, Chao-Yang Rd., Chu-Tung Chen, Hsinchu Hsien, Taiwan, R.O.C.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Ming-Yi LAY, et al.

Confirmation No.: 7484

Serial No.: 09/764,207

Art Unit:

Filed: January 19, 2001

Examiner:

For: **METAL BUMP WITH AN INSULATING SIDEWALL AND METHOD OF FABRICATING THEREOF**

ASSOCIATE POWER OF ATTORNEY

Commissioner for Patents  
Washington, D.C. 20231

Sir:

I, Raymond J. Ho, attorney of record in the above-identified application, hereby appoint the following as associate attorney, with full power to prosecute the above-referenced application and transact all business in the Patent and Trademark Office connected therewith:

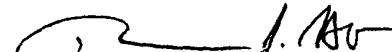
**Robert J. Forsell, Jr., Reg. No. 51,693**

Kindly change the correspondence address for the above-identified application to the following:

**INTELLECTUAL PROPERTY SOLUTIONS, INCORPORATED**  
5717 Colfax Avenue  
Alexandria, VA 22311  
Telephone: (703) 379-9625  
Fax: (703) 379-9628

September 18, 2002

Date



Raymond J. Ho  
Reg. No. 41,838

Atty. Docket No. H010011  
1300 Pennsylvania Ave., N.W., Suite 700  
Washington, DC 20004  
Tel: (202) 204-3080  
Fax: (202) 204-3082  
RJH/km

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **LAY, Ming-Yi et al.**

Serial No.: **09/764,207** Group Art Unit: Not yet assigned

Filed: **January 19, 2001** Examiner: Not yet assigned

For: **METAL BUMP WITH AN INSULATING SIDEWALL AND METHOD OF FABRICATING THEREOF**

SUBMISSION OF SUBSTITUTE POWER OF ATTORNEY BY APPLICANTS

Commissioner for Patents  
Washington, D.C. 20231

Date: May 30, 2001

Sir:

Submitted herewith is a paper revoking all previous powers and appointing the undersigned firm, signed by the applicants. As noted in the substitute power, all communications should be directed to the following address:

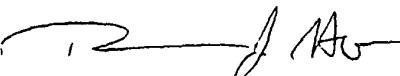
INTELLECTUAL PROPERTY SOLUTIONS, P.L.L.C.  
1300 Pennsylvania Ave., N.W.  
Suite 700  
Washington, D.C. 20004  
Tel: (202) 204-3080  
Fax: (202) 204-3082

It is requested that the records of the Patent and Trademark Office be amended accordingly. Counsel's docket number for this application is H010011, and it would be greatly appreciated if the records of the Patent and Trademark Office could be corrected to reflect that docket number on all future communications.

In the event there are any fees due in connection with the filing of this paper, please charge Deposit Account No. 50-1299.

Respectfully submitted,

INTELLECTUAL PROPERTY SOLUTIONS, P.L.L.C.



Raymond J. Ho  
Attorney for Applicants  
Reg. No. 41,838

Atty. Docket No.: **H010011**  
1300 Pennsylvania Ave., N.W. Suite 700  
Washington, D.C. 20004  
Tel: (202) 204-3080  
Fax: (202) 204-3082  
RJH/km

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: LAY, Ming-Yi et al.

Serial No. : 09/764,207

Art Unit: Unassigned

Filed: January 19, 2001

Examiner: Unassigned

For: METAL BUMP WITH AN INSULATING SIDEWALL AND METHOD OF  
FABRICATING THEREOF**SUBSTITUTE POWER OF ATTORNEY BY APPLICANTS**Director of Patents and Trademarks  
Washington, D.C. 20231

Date: April 20, 2001

Sir:

WHEREAS, the applicants in the above-identified application hereby appoint Raymond J Ho, Esq. (Reg. No. 41,838) as the attorney of record with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

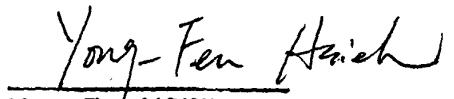
The applicants hereby revoke all powers of attorney previously granted. All correspondence in connection with this application should be sent to:

**Raymond J. Ho, Esq.  
INTELLECTUAL PROPERTY SOLUTIONS, P.L.L.C.  
1300 Pennsylvania Avenue NW Ste 700,  
Washington, D.C. 20004  
Telephone: (202) 204-3080  
Facsimile: (202) 204-3082**

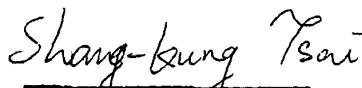
Respectfully submitted,



Ming-Yi LAY



Yong-Fan HSIEH

  
Shang-Kung TSAI  
Chin-Kun LO